

RESEARCH SCIENTIST IN HIGH RESOLUTION GLOBAL CLIMATE MODELLING

University of Reading, National Centre for Atmospheric Science, Department of Meteorology,

Job Reference: SRF17618

Closing Date: 1st May 2017

Salary: £29,301 to £38,183 per annum

Start Date: as soon as possible

Full Time, Fixed Term for up to 3 years

Interview Date: TBC

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We seek a motivated and ambitious research scientist in computational climate science to join the National Centre for Atmospheric Science's High Resolution Climate Modelling (HRCM) group. The mission of the HRCM group is to play a leading role internationally in advancing the frontiers of global high resolution modelling, and to advance the application of this science to address societal needs. The scientific focus is understanding the role of scale interactions in the atmosphere and climate system, including high impact weather. The appointed scientist will contribute to all aspects of the group's activities, with a particular focus on the international HighResMIP activities that form part of CMIP6. The primary phenomenological focus is on convective organisation: from mesoscale convective systems to tropical and extratropical cyclones, their genesis, propagation and interaction with the large-scale flow and atmospheric waves.

You will have:

- Knowledge of, or evidence of a serious interest in, atmospheric dynamics and atmospheric physics.
- Understanding of physical processes relating to weather and climate.
- Experience in numerical modelling, preferably in a High-Performance Computing (HPC) environment.
- Experience in the analysis of Large Data
- Excellent computational and programming skills, preferably including FORTRAN (90, 95), Python and UNIX/Linux shell scripting; familiarity with data standards (e.g. NetCDF4, HDF5, GRIB2)
- First degree in a scientific or mathematical discipline
- Strong communication skills.

Informal Contact Details

Contact role: Principal Investigator

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